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#14
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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: William T. Clark, *et al.*
Serial No: 09/532,837
Conf. No: 7155
Filed: March 21, 2000
For: ENHANCED DATA CABLE WITH CROSS-TWIST CABLED
CORE PROFILE

Examiner: Nguyen, Chau N
Art Unit: 2831

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DECLARATION OF WILLIAM T. CLARK UNDER 37 C.F.R. 1.132

I, William T. Clark, of 37 Sterling Street, Lancaster, Massachusetts 01523,
declare as follows:

1. At the time of the invention of the cable disclosed in the above-identified application, there was no perceived need in the art of unshielded cables to reduce crosstalk to the levels required for shielded cables. Unshielded cables without central cores already met the Category 5 requirements for crosstalk performance.

2. At the time of the invention, the primary concerns for designers of unshielded twisted pair cables were thus return loss, impedance uniformity and, for plenum-rated cables, smoke suppression and burn rate, not crosstalk.

3. Prior to the invention, the industry was not using unshielded cables in applications that required shielded cables. In adding a central core to an unshielded cable, the idea was to make an unshielded cable perform like a shielded cable, so as to provide for an unshielded cable to be used in similar applications as a shielded cable.

Rule 132 Declaration of William Clark
Serial No. 09/532,837

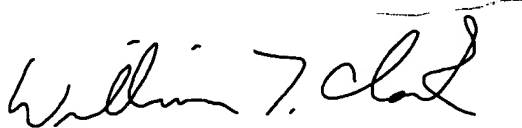
4. Adding a central core into an unshielded cable would increase the cost and complexity of manufacture of the cable, compared with an unshielded cable without a central core, and would not have been done by those in the industry because the unshielded cables without central cores already met the crosstalk requirements of Category 5.

5. Adding a central core, such as disclosed in the Gaeris patent (US Patent No. 5,789,711), into the unshielded cable of Bleich (US Patent No. 5,576,515) to be used in plenum-rated applications, as suggested in the Office Action, would have been considered undesirable because it would make meeting the plenum tests more difficult due to the added material of the central core.

6. Adding the central core, such as disclosed in the Gaeris patent (US Patent No. 5,789,711), into the unshielded cable of Bleich (US Patent No. 5,576,515), to be used in plenum-rated applications, as suggested in the Office Action, would result in the modified Bleich cable being rendered incapable of meeting the category 5 return loss and impedance specifications (without adjustment), because the presence of the central core would require the thicknesses of the insulation material of the twisted pairs to be adjusted.

7. All statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued therefrom.

Date: 09-04-02



William T. Clark